

Joint Program Executive Office for Chemical and Biological Defense

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Joint Biological Agent Decontamination System (JBADS) Industry Day



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DISTRIBUTION STATEMENT A. Approved for Public Release



Industry Day Agenda

0800 – 0900	Check-In / Registration
0900 – 0910	Welcome, Introductions and Administrative Notes
0910 – 1000	JBADS Program Overview
1000 – 1200	JE-RDAP/Contracting Overview
1200 – 1300	Break
1300 –	One-on-One Discussions



Disclaimer

- **Information Purposes Only**
 - All information provided prior to release of the RFP is considered to be non-binding
 - Comments provided by industry will be considered and included in the final RFP at the discretion of the Contracting Officer
 - The Government is bound only by the information contained in the Final RFP and its amendments



Ground Rules

- **Sign the sign-in sheet**
- **No sidebars, please**
- **Questions & Answers**
 - Ask questions throughout briefings, at the end of session, or write down on comment card
 - Identify information that is proprietary
 - Identify if technical or contractual
 - All questions and their corresponding answers will be posted on FedBizOps
 - The Government reserves the right to defer answers until responses are fully staffed



Ground Rules – One on One Sessions

- One-on-one discussions will be held immediately after briefs are completed
 - Sessions are not to exceed 20 minutes
 - Marketing materials, handouts and/or technical information are ***strictly prohibited***. No marketing materials, product information or brochures will be accepted at these sessions.
 - Please do not be early/late (± 10 minutes) or linger after your sessions because space is limited



Joint Biological Agent Decontamination System (JBADS) Overview

Lt Col William Holl

JBADS PM

JPM Protection

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Program Objective & Status

JBADS will provide Warfighters a capability to thoroughly decontaminate Biological Warfare Agents and other Biological Agents of concern on/in the interior and exterior of aircraft and to expedite return of these assets to full, unrestricted use.

Participating Service: USAF

Lead MAJCOM: Air Mobility Command

Current Phase: Technology Development

Next Significant Event: Milestone B (2Q FY17)



JBADS Capabilities Desired

- **Mitigating biological agent effects on C-130J Stretch airframes using bio-thermal decon (hot, humid air)**
- **Roll In / Roll Out Aircraft Enclosure**
- **Transportable / Deployable**
- **Modular Design (scalability; potential chem decon capability)**



Key Performance Parameters (KPPs)

KPP	Measures
KPP 1: Biological Decontamination Efficacy	<p>Residual Levels of Representative Biological Agents from starting challenge of 1.0×10^8 CFU/m² or PFU/m² to the following: Bacterial endospores <100 CFU/m² (6-log reduction) (T)</p> <p>Residual Levels of Representative Biological Agents from starting challenge of 1.0×10^8 CFU/m² or PFU/m² to the following: Bacterial endospores < 1.0 CFU/m²; Vegetative bacteria < 1.0 CFU/m²; Viruses < 1.0 PFU</p> <p>*May exceed infectious levels of Q-fever bacteria. An infectious dose may be as low as 1.0 CFU/m²</p> <p>**May exceed infectious levels of Viral Hemorrhagic Fever viruses. An infectious dose may be as low as 1.0 PFU/m² (O)</p>
KPP 2: Sustainment	Materiel Availability (Am). The JBADS must achieve an Materiel Availability of 0.80. (T=O)



Acquisition Approach

- **Enter at MS B**
 - Open competition (designs for Aircraft Decontamination Units, Aircraft Enclosure & Control Module)
 - Combined DT/OT to prove out system design
- **Government Owned/Contractor Operated System**
 - Yearly inventory & maintenance
 - Exercise of single system every other year
- **One storage site: government location (TBD)**
 - Open storage: asphalt or concrete pad with overhead cover (not temperature controlled)



Contract Vehicle

- **Joint Enterprise-Research, Development, Acquisition, Production/Procurement (JE-RDAP)**
 - Omnibus Contract (\$8.27B ceiling) - Multiple Award (MA) IDIQ
 - Research, Development, Acquisition & Production/Procurement; includes Initial Sustainment

Detailed JE-RDAP Contract Briefing to follow which includes On-Ramp Information



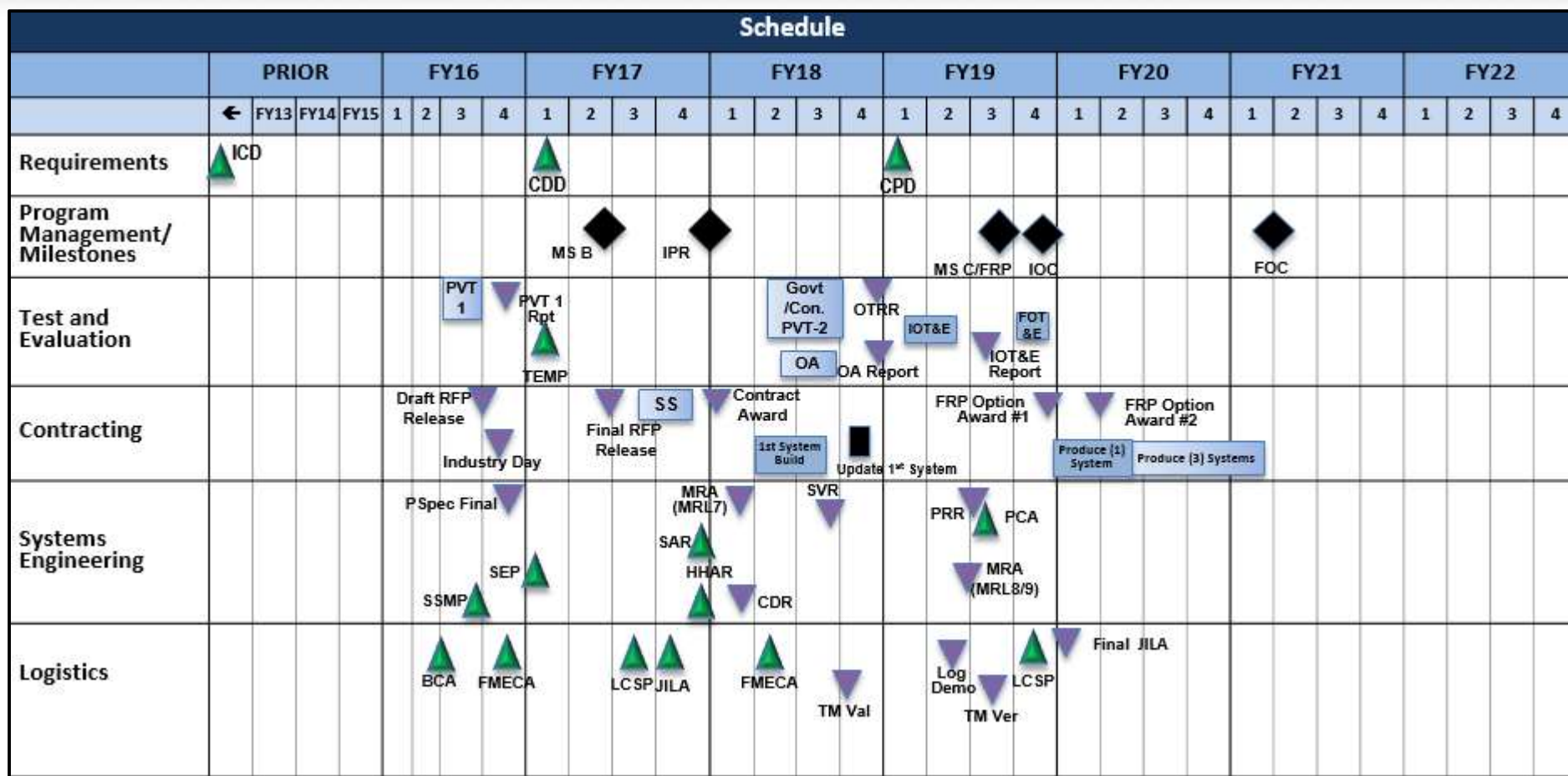
Contract Approach

- **Competition for the entire system: Primes restricted to JE-RDAP contract holders**
- **CLINs include:**
 - **First Article Unit: Cost Plus Fixed Fee (CPFF)**
 - **Test and Evaluation: Cost Plus Fixed Fee (CPFF)**
 - **Fielding: Cost Plus Fixed Fee (CPFF)**
 - **Full Rate Production Units: Firm Fixed Price (FFP)**
 - **Sustainment (CLS): Fixed Price Incentive Firm (FPIF)**
 - **Operational Mission Support (Deployment): Task Order**
 - **Chemical Decon Analysis (Optional): Cost Plus Fixed Fee (CPFF)**

CLIN compensation types are not fixed. The government welcomes industry's ideas on how to incentivize any phase to reduce the system Life Cycle Costs and ensure delivery on a timely basis.



JBADS Schedule





JBADS Technical Approach

- **Technical Strategy**
 - **Capability will be delivered based on technology opportunities and maturation of technologies**
 - **Accelerate fielding through the use of commercial or non-developmental items**



Key Requirements and Attributes

Aircraft Enclosure (AE):

- Capable of enclosing a C-130 J-Stretch aircraft, allowing a 5 foot clearance around and ingress and egress of the aircraft
- Capable of fitting inside 40 foot ISO containers when packed for shipment, as necessary
- Capable of repeated assembly and disassembly

Aircraft Decontamination Units (ADU):

- Capable of producing heat and humidity sufficient to maintain (170 degrees F, +/- 5 degrees F) and high humidity (90% RH +/- 5%) within the entire conditioned space of the Aircraft Enclosure
- Capable of fitting inside 20 foot ISO containers when packed for shipment, as necessary
- Designed for easy and ready transportation via C-5 and C-17 aircraft



Key Requirements and Attributes

System (AE & ADU):

- **Must demonstrate that it can maintain a temperature of 170°F +/- 5°F with a relative humidity of 90% +/- 5% for a period of no less than 96 continuous hours**
- **Capable of being stored and transported via C-5/C-17 using 20 and 40 foot ISO containers**
- **Capable of operating under temperatures from 32°F to 120°F**
- **Capable of being stored under temperatures from 14°F to 120°F**



Key Requirements and Attributes (cont.)

Control Module and Control Software:

- Shall be hard wire connected to sensors within the Aircraft Enclosure to allow operators to control the system
- Shall be a stand-alone system and will not be networked to any other system
- Software will allow control to keep the entire AE at 170 degrees F, +/- 5 degrees F and the relative humidity at 90% +/- 5%
- System shall provide time histories of temperatures and relative humidity during operation



Key Requirements and Attributes (cont.)

Contractor Logistics Support:

- **Responsible for storage maintenance, to include yearly health and availability inspection and reports**
 - **Government will provide location for storage of the system. For planning purposes storage location will be Holloman Air Force Base, New Mexico**
- **Conduct an exercise every other year, with full assembly of one system, operational use as if it were a real-time deployment then disassembly and return to storage**
- **Meeting the sustainability and maintainability metrics of the JBADS to ensure availability for use**



Key Requirements and Attributes (cont.)

Operational Deployment:

- Ensuring each JBADS system is packaged and ready for immediate transportation via air, sea or land
- Deploying a set up crew to erect the Aircraft Enclosure
 - Host Base will provide adequate fuel, water , power, support personnel and Materials Handling Equipment (MHE)
- Set up, support and operate the Aircraft Decontamination Units
- Tear down and deploy JBADS back for storage



JBADS Procurement Quantities

IOC Quantities and Fiscal Year (FY)

- Air Force: 1 unit (FY19)**

FOC Quantities and Fiscal Year (FY). The Air Force FOC will be achieved when the acquisition objective is met.

- Air Force: 5 units (FY21)**



Questions?



Joint Program Executive Office for Chemical and Biological Defense



Joint Program Executive Office for Chemical and Biological Defense

Joint Enterprise-Research, Development, Acquisition, Production/Procurement (JE-RDAP) IDIQ Contract

Joint Omnibus Management Office (JOMO)
703-617-2440/2402



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JOMO Contracts Overview

OPETS

*\$495M IDIQ Services Contract
Program Management & SETA Support Services
Across the Enterprise (HQ & JPMs)
~400 FTEs to date*

JE-OPETS

*Follow-On to OPETS
4-Year Base Period & Two 3-year Option Periods
(FY19 to FY29)*

Contracted Resources

Personnel

JE-RDAP

*\$8.27B IDIQ R&D Supply Contract
Research, Development, Acquisition, and Procurement
Main Contract Vehicle for ALL FUTURE
JPM-Developed CBRNE Defense Systems, Equipment & Material*

*Research, Development, Acquisition
& Production/Procurement; includes
Initial Sustainment*

☐ Awarded/Award in Process

☐ Future Award

JE-CLaSS

*\$900M IDIQ Services Contract
Provides contracted PBL support to
JPEO-CBD fielded CBRNE Defense Systems*

Life Cycle Logistics/PBL Support

OBJECTIVE: to build, execute, and manage a portfolio of Joint Enterprise Omnibus contract vehicles to support all contracted requirements across the JPEO-CBD



JE-RDAP - SCOPE

CBRNE DEFENSE SYSTEMS, EQUIPMENT and MATERIAL

Individual Protective Equipment
C/B Detectors
Collective Protection
Decontamination Systems / Decontaminants
Integration of CBRNE Defense Systems
Medical Devices (Diagnostics)
Explosive Detection and Identification
Advanced Analytic Systems
Forensics
CB Elimination
Multispectral Smoke and Obscurants

CBRNE INFORMATION SYSTEMS

Warning & Reporting
Joint Effects
Biosurveillance Portal

RAD/NUC DEFENSE SYSTEMS

Ground / Ship / Airborne
Standoff



JE-RDAP

JE-RDAP

Enterprise-wide Omnibus Contract

Competed using Full and Open Competition

Multiple Awardees

RDAP Orders

Research, Development, Acquisition, Production/Procurement

Competed among the Enterprise-wide Omnibus Contract Holders

- “Fair Opportunity” - JE-RDAP Contract Holders, may Compete for any/all RDAP Orders (Contractors make their Bid - No Bid determination/decision)
 - Small Business – Bright Line; Partial Set Aside
 - Large Businesses – Small Business Subcontracting Plans



JE-RDAP Overview

- JE-RDAP will support all future requirements for CBRNE systems, equipment, material, and capabilities across the JPEO-CBD Enterprise
- Enterprise-Wide Omnibus Contract (\$8.27B ceiling) - MA IDIQ
 - Ordering Period: 10-years
 - Performance may continue for up to 5 years beyond the Ordering Period
 - MA IDIQ Contract Award
 - Full & Open Competition
 - Lowest Price Technically Acceptable (LPTA)
 - Spans MDD through FOC, Fielding and Initial Sustainment
- RDAP Orders: Tailored to meet JPM Office requirements
 - ✓ Evaluation Method: Predominately Trade Offs; Reserve right to use LPTA
 - ✓ Best Value and as Beneficial to Government
 - ✓ Pricing Structure: any contract type listed in the FAR (CPIF, FFP, CPFF, etc.)
 - ✓ Mixed CLIN structure is possible



JE-RDAP – MA IDIQ General Contract Approach

- Contract vehicle solicited with multiple awards
- Teaming, Partnering & Subcontracting: vendor discretion whether to propose teammates and their corresponding capabilities
 - *Teaming is not required at the JE-RDAP Contract (IDIQ) level*
- On-Ramps: may be used to bring new developers (i.e., additional IDIQ holders) onto the contract
 - As needed to ensure competition for RDAP Orders



RDAP Orders

- **RDAP Orders will be competed under the Base MA IDIQ Contract**
 - **Fair Opportunity: FAR Part 16**
- **Small Business Set-Aside (“Bright Line”): RDAP Orders \$5M/year or less (not to exceed \$10M total) will be set aside for Small Business**



Contract Awards

- **STEP 1**: HOW DOES A CONTRACTOR GET AN IDIQ AWARD??
- **STEP 2**: HOW DOES AN IDIQ HOLDER GET AN RDAP ORDER AWARD??



STEP 1 → HOW TO GET AN JE-RDAP IDIQ AWARD

Proposal Contents

1. Management/Technical (Number of Pages -7)

Management: Organizational structure ; Identify your Key Corporate Personnel and your Corporate approach to manage, oversee and execute future RDAP Orders.

Technical: Describe Previous Experience and Future Technical Approach as part of a team or as a standalone organization to do **2a or 2b and 2c.**

2a. Research, design, development regarding equipment, system, material capability (in general and/or in support of a CBRNE or R & D project) IAW DODI 5000.02, and integration of systems, equipment, and/or materials to achieve broad-based (synergistic) system-of-systems capabilities. Future Technical Approach should demonstrate/describe the Offeror's understanding of the Defense Acquisition System processes and procedures.

OR...

2b. Production/Manufacture – The Offeror shall describe its previous experience and future approach pertaining to the production and manufacture of a system or capability. The Offeror shall describe its future approach for implementing a “scale up” capability (maturing from manufacturing level 6 to level 10) that would result from research and development efforts, configuration management, and quality control.

AND...

2c. The Offeror shall describe its approach to implementing (in future) cost control methodologies (processes/procedures) applied to the research, development, acquisition, and/or production/procurement of hardware, software or combined hardware-software systems/capabilities. Describe how it is anticipated that this approach will produce cost savings and/or cost avoidance.

2. Cost/Price (1 Page; Microsoft Excel Spread Sheet)

- ✓ Fill in Cost Reimbursable and Fixed Price Information for Key Corporate Personnel (See Management Above)
- ✓ These are Ceiling NOT basement Rates; Labor rates will be binding through RDAP orders and are subject to economic adjustment.



STEP 2

HOW TO GET AN RDAP ORDER AWARD

RDAP Order Proposal Contents

- **Technical/Management**
 - Approach to execute the specific RDAP Order
 - WHY YOU?? (differentiation, distinction, relevant experience, etc.)
- **Small Business Subcontracting Plan...**
 - ... as appropriate to the size (Large Businesses) of the prime Enterprise-wide Omnibus Contract holder proposing
- **Cost/Price: to execute the specific RDAP Order**

Past Performance information may be required at the RDAP Order level



JE-RDAP On-Ramps

- **Additional IDIQ proposals may be accepted after initial award...**
 - If the number of initial IDIQ contract awards is small
 - When new technologies and/or capabilities are identified
 - As needed to achieve competition
- In such cases, the same criteria outlined in **STEP 1** will be used

OBJECTIVE: to ensure maximized opportunity for competition in order to achieve the desired end item at the Best Value to the Government



Schedule

- **Final RFP Issued** **14 Oct 2016**
- **Proposals Due (30 Days)** **14 Nov 2016**
- **IDIQ Contract Awards** **Jan 2017**
- **Start of Work Meeting** **TBD**
- **1st RDAP Order Awards** **2QFY17**

THIS SCHEDULE IS SUBJECT TO CHANGE